

To: Horn - DNR, Barb[barb.horn@state.co.us]; Peter Butler[butlerpeter2@gmail.com]; Marcie Demmy Bidwell[marcie@mountainstudies.org]; Trevor Downing[tdowning@wrightwater.com]; smith@lpcattorney.org[smith@lpcattorney.org]; Hall, Lorelyn[lhall@southernute-nsn.gov]; Sheila Berger[sberger@wrightwater.com]; Konowal - CDPHE, Aimee[aimee.konowal@state.co.us]; scott.garncarz@state.co.us[scott.garncarz@state.co.us]; Heather Drissel - CDPHE[heather.drissel@state.co.us]; McKean, Deborah[mckean.deborah@epa.gov]; Laidlaw, Tina[Laidlaw.Tina@epa.gov]; Christina Rinderle[christina@durango.net]; Burgo, Daniel[Burgo.Daniel@epa.gov]; Wall, Dan[wall.dan@epa.gov]; aharvey@southernute-nsn.gov[aharvey@southernute-nsn.gov]; tojohns@southernute-nsn.gov[tojohns@southernute-nsn.gov]; Feeney - CDPHE, Stanley[stanley.feeney@state.co.us]; Lashmett, Kirk[klash@southernute-nsn.gov]; pnylan@southernute-nsn.gov[pnylan@southernute-nsn.gov]; Ann Oliver[annsoliver@gmail.com]; stephen_monroe@nps.gov[stephen_monroe@nps.gov]; Kelly Jacques - CDPHE[kelly.jacques@state.co.us]; Delgado - CDPHE, Jorge[jorge.a.delgado@state.co.us]; Patrick Pfaltzgraff - CDPHE[patrick.j.pfaltzgraff@state.co.us]; Patti Zink[patti@waterfallranch.com]; Peter Foster[pfoster@wrightwater.com]
From: Hartenstine, Curtis
Sent: Wed 8/19/2015 9:46:29 PM
Subject: RE: SUIT Water Quality Data re: Gold King Release

Hi All,

I have uploaded a few more files to the ftp site. In the site, I created 2 files in the Gold King Mine Release Southern Ute Indian Tribe Data parent folder. One is for wq and sonde data, the other is for drone footage taken by SUIT Wildlife Division. Maps of historic data and current release monitoring locations are in the wq and sonde data folder.

New information:

- 08082015 WQ data final report with V, TDS & TSS (the previously uploaded data were preliminary and incomplete) of 8/8 data- all sites.
- 08102015 WQ final report of 8/10 data- all sites
- Lab Data for 8/5, 8/6, 8/7
- Laboratory Data for 8/5, 8/6 (background data before the plume hit the Reservation) for AR19-3 and NAR6.
- 8/7 data for all sites. The plume hit the Reservation in the early morning hours of 8/7. Note: 8/7 data includes site "BLW Little Fishes". This site is located about ½ mile below Weasleskin bridge (37.139666, -107.892660). I collected this sample as it was the leading edge/mixing zone of the plume for the purposes of understanding mixing zone chemistry. This is the only sample collected at that site.
- Updates continuous pH data- The dataset now ranges from July 1 to August 18 (Note one day of data was lost at NAR6 on 8/13).
- Drone footage of the spill. The drone footage was taken by Tribal Wildlife on the

Reservation. Footage includes 2 spill plume high concentration videos (near AR7-2 and 2 mixing zone videos (about 1 mile above NAR6). This is really good high def quality video of the spill.

Historical macroinvertebrate and periphyton data are available upon request. These data are from 2012-present. In advance of the spill, WQP collected macroinvertebrates samples at AR19-3 and Basin creek on 8/6. Post spill macro data was collected on 8/11. Those samples are currently being sorted and ID.

SUIT Sample Analysis Plan/Quality Assurance Project Plan for the Gold King Release to provide sampling information, site selection, updated site maps and additional QA/QC information will be posted by the end of the week.

Please contact me with any questions

Best, Curtis

Curtis Hartenstine

Southern Ute Indian Tribe

Water Quality Program Manager

970-563-0100 ext2217

From: Hartenstine, Curtis

Sent: Friday, August 14, 2015 1:24 PM

To: Horn - DNR, Barb <barb.horn@state.co.us>; Peter Butler <butlerpeter2@gmail.com>; Marcie Demmy Bidwell <marcie@mountainstudies.org>; Trevor Downing <tdowning@wrightwater.com>; smith@lpcattorney.org; Hall, Lorelyn <lhall@southernuten-sn.gov>; Sheila Berger <sberger@wrightwater.com>; Konowal - CDPHE, Aimee <aimee.konowal@state.co.us>; Garnicarz - CDPHE, Scott <scott.garnicarz@state.co.us>; Heather

Drissel - CDPHE <heather.drissel@state.co.us>; mckean.deborah@epa.gov; Laidlaw, Tina <Laidlaw.Tina@epa.gov>; Christina Rinderle <christina@durango.net>; Burgo.Daniel@epa.gov; Wall, Dan <wall.dan@epa.gov>; Harvey, Audrey <aharvey@southernute-nsn.gov>; Johnson, Tom <tojohns@southernute-nsn.gov>; Feeney - CDPHE, Stanley <stanley.feeney@state.co.us>; Lashmett, Kirk <klash@southernute-nsn.gov>; Nylander, Peter <pnylan@southernute-nsn.gov>; Ann Oliver <annsoliver@gmail.com>
Cc: Hartenstine, Curtis <charten@southernute-nsn.gov>
Subject: RE: SUIT Water Quality Data re: Gold King Release

Hi All,

We have set up an ftp site to share SUIT several data sets. In addition to what I sent out yesterday ,historical WQ data for the Animas from 2011-Current including a map to identify sample locations is now available. The site only contains water quality data. Historical macroinvertebrate and periphyton data are available upon request.

• Host: <ftp://ftp.southernute-nsn.gov>

• User Name:

• Password:

Best, Curtis

From: Hartenstine, Curtis

Sent: Monday, May 4, 2015 9:01 PM

To: Horn - DNR, Barb; Peter Butler; Marcie Demmy Bidwell; Trevor Downing; smith@lpcattorney.org; Hall, Lorelyn; 'Sheila Berger'; 'McComb, Martin'; 'Konowal - CDPHE, Aimee'; 'Garncarz - CDPHE, Scott'; Heather Drissel - CDPHE; 'mckean.deborah@epa.gov'; 'Laidlaw, Tina'; 'Christina Rinderle'

Subject: SUIT Water Quality Data re: Gold King Release

All,

Southern Ute Indian Tribe has prepared some initial data to assist in the Gold King Release effort.

Ive attached a number of data files and documents to this email.

- [REDACTED] SUI Gold King Release Monitoring Stations and Analytes- word doc of release SUI response monitoring
- [REDACTED] SUI Continuous Data 07012015 to 08102015 xlx 30 min increment DO, pH, temp and conductivity from three locations within the reservation.
- [REDACTED] 1508098 DRAFT EXCEL 11 Aug 15 1621 & 1508098 DRAFT 081115 1621 Lab data from Green Analytical for 8/8/2015: xls and pdf. This is the only analytical data I have back at this point. I will share more when received.

SUI is prepared to share historical data and will send a link to an ftp site. The file is too large to email.

Thanks for everyone's help for the Animas.

Please contact me with any questions.

Curtis